

# F4-DFDR-3M-SGW-D

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D-CLASS HELIAX® 1/2" SureFlex® Jumper with interface types 7-16 DIN Female and 7-16 DIN Male Right Angle with HELIAX® SureGuard weatherproofing, 3 m (boot on DR end only, and DF end no boot)

- If there are threads along the entire device port length, the HELIAX® SureGuard weatherproofing solutions will only seal properly if the HSG-M29-ADPT adapter is installed on the device port

## Product Classification

<b>Product Type</b>	SureFlex® D-CLASS, dynamic PIM
<b>Product Brand</b>	HELIAX®   SureFlex®
<b>Product Series</b>	RSJ4-50

## General Specifications

<b>Body Style, Connector A</b>	Straight
<b>Body Style, Connector B</b>	Right angle
<b>Interface, Connector A</b>	7-16 DIN Female
<b>Interface, Connector B</b>	7-16 DIN Male
<b>Specification Sheet Revision Level</b>	A

## Dimensions

<b>Length</b>	3 m   9.843 ft
<b>Nominal Size</b>	1/2 in

## Electrical Specifications

<b>3rd Order IMD Dynamic</b>	-116 dBm
<b>3rd Order IMD Dynamic Test Method</b>	Two +43 dBm carriers per IEC 62037
<b>DTF, Connector A</b>	-34 dB
<b>DTF, Connector B</b>	-34 dB

## Logo Image

# F4-DFDR-3M-SGW-D



## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
698-960 MHz	1.083	27.99
1700-2200 MHz	1.083	27.99
2200-2700 MHz	1.135	23.98
3400-3800 MHz	1.222	20.01

## Jumper Assembly Sample Label

Batch Manufacturing Date (two digit year and week)  
Manufacturing Plant Product Revision

0123456789 US22 1240 /A

COMMSCOPE Andrew Solutions™  
**F4-DMDM-2M-D** Part Number  
2 M (6.562 FT)  
SUREFLEX ASSEMBLY  
U.S. PATENT 5802710  
Product of UNITED STATES  
12US220001242 Serial Number



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## Environmental Specifications

<b>Immersion Test Method</b>	Meets IEC 60529:2001, IP68 in mated condition
<b>Weatherproofing Method</b>	HELIAX® SureGuard weatherproofing boot

## Packaging and Weights

<b>Included</b>	Weatherproofing boot
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant/Exempted



## Included Products

HSG-FSJ4-DR	– HELIAX® SureGuard® Boot for 1/2 in right angle jumpers to antennas or devices
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# HSG-FSJ4-DR

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HELIAX® SureGuard® Boot for 1/2 in right angle jumpers to antennas or devices

- If there are threads along the entire device port length, the HELIAX® SureGuard weatherproofing solutions will only seal properly if the HSG-M29-ADPT adapter is installed on the device port

## Product Classification

<b>Product Type</b>	Weatherproofing boot
<b>Product Brand</b>	HELIAX®   SureGuard®
<b>Ordering Note</b>	CommScope® non-standard product

## General Specifications

<b>Application</b>	Provides additional moisture seal for cable connections
<b>Applications per Kit</b>	One 1/2 in to antenna or device connection
<b>Color</b>	Black

## Dimensions

<b>Width</b>	55 mm   2.165 in
<b>Length</b>	112.5 mm   4.429 in
<b>Cable Diameter for Seal, maximum</b>	13.74 mm   0.541 in
<b>Cable Diameter for Seal, minimum</b>	13.18 mm   0.519 in
<b>Inner Diameter</b>	11.3 mm   0.445 in
<b>Nominal Size</b>	1/2 in

## Material Specifications

<b>Material Type</b>	Silicone rubber
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## Environmental Specifications

<b>Installation temperature</b>	-40 °C to +65 °C (-40 °F to +149 °F)
<b>Operating Temperature</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Storage Temperature</b>	-55 °C to +85 °C (-67 °F to +185 °F)

# HSG-FSJ4-DR

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<b>UV Resistance Test Method</b>	ASTM G154-12a
<b>UV Resistance, minimum with no degradation</b>	≥1000 hours
<b>Weather Resistance Test Method</b>	IEC 60068-2-11   IEC 60529:2001, IP68

## Packaging and Weights

<b>Height, packed</b>	41 mm   1.614 in
<b>Width, packed</b>	120 mm   4.724 in
<b>Length, packed</b>	140 mm   5.512 in
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	27.7 g   0.061 lb